3/8/84
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Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 2 FEBRUARY 1984

Paper and Paperboard Production Holds to Record High Rates

The rate of paper and paperboard production in January 1984 held close to the record high rates established in the last four months of 1983. The trend rate of production in January (average of January 1984 and December 1983 seasonally adjusted production) was 68.6 million tons per year - matching the record high December 1983 trend level. This rate is 5.7% above the 64.87 million tons produced in all of 1983. The 1983 total was itself a new high, 9% above the 1982 recession low and 4.2% above the previous high established in 1981.

While the production of paper and paperboard was strong throughout 1983, there was an escalation in the pace of advance during the last half of the year. In the first half of 1983, the rate of production averaged 62.6 million tons per year. Shortly after mid-1983, production rose sharply, bringing the third quarter average to 65.6 million tons per year and the fourth quarter to 68.2 million tons per year.

Among the paper grades, the seasonally adjusted rate of printing-writing production in January was close to its fourth quarter 1983 average level, with coated papers showing the greatest strength. The uncoated free sheet grades however, were down a few percentage points from their fourth quarter 1983 rate. The backlog of unfilled orders for uncoated free sheet papers at the end of January 1984, was somewhat below the peak levels reached last summer, but has followed a flat trend during the first five weeks of this year. Relative to the year-ago level, unfilled orders for uncoated free sheet papers at the end of January 1984 were up 76%.

Tissue paper grades continued to show strength, with the January level some 5% over its year-ago rate. Among the packaging and industrial converting paper grades, shipments of kraft paper in January, while holding close to its fourth quarter average, were below their year-ago rate.

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The seasonally adjusted rate of paperboard production in January 1984 was above its fourth quarter 1983 level. The trend position, at 34 million tons per year, established a new high. The major strengths were in the containerboard grades for domestic use - unbleached kraft linerboard and semi-chemical paperboard - and recycled paperboard. Total production of containerboard for domestic use in January was roughly 10% above its year-earlier rate, matching the 10% increase in shipments of corrugated shipping containers reported by the Fibre Box Association for that month. The January seasonally adjusted rate of fibre box shipments was about 5% over its 1983 average level.

Production of gypsum wallboard facings in January 1984 was 51% above its year-ago level. In addition, recycled tube, can and drum stock continued to be extremely strong, running some 22% over its year-ago level in January 1984. While not keeping pace with the leaders, folding boxboard production in January was up a respectable 5% while set-up boxboard showed a 20% gain.

Some weakness was shown in the milk carton and food service grades in January with all major types below their year-ago levels. Total bleached paperboard production, as noted in the table on Page 3, was about 2% below its January 1983 level and slightly below the average rate for all of 1983. Part of this decline can be traced to weakness in production for exports, reflecting in turn, the effect of the strong U.S. dollar on the export markets for paperboard.

The impact of the strong dollar is also being felt by production of unbleached kraft linerboard for export; the January rate was 15% below its year-ago level. Total paperboard production for export in January, at 208,000 tons, was 17% below the January 1983 level, and about 14% below 1983's 242,000 tons per month average.

Wood Pulp

Production of chemical paper grade market wood pulp in January 1984 held at the high rates established in the fourth quarter of 1983, moving 15.5% above the January 1983 total. Shipments were up 12%, reflecting a 12% increase to the U.S. market and a similar increase in export shipments. The largest gain in exports was in exports to Japan, which increased by 72%.

International Trade

Imports of wood pulp, paper and paperboard declined seasonally in December, but were well above their year-ago level. For 1983 as a whole, imports of paper plus paperboard amounted

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

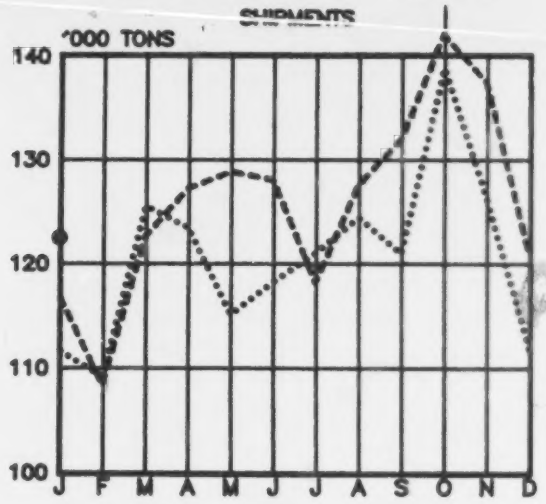
	YEAR 82	YEAR 83	OCT. 83	NOV. 83	DEC. 83	JAN. 84	Annual Rate Y-T-D 84	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5042	5167	448	456	410	459	5513	3.4
- Shipments	4988	5153	448	454	430	457	5483	12.0
Printing & Writing	15643	17355	1566	1514	1458	1481	17771	7.9
Groundwood Paper - Shipments	1459	1509	142	137	121	125	1499	7.0
- New Orders	1469	1584	152	124	122	133	1595	8.7
- Unfilled Orders	91	156	164	153	156	152	152	52.0
Coated Paper - Shipments	5032	5743	535	513	486	498	5971	12.6
- New Orders	4998	5850	523	483	504	495	5945	11.7
- Unfilled Orders	325	463	496	447	463	443	443	32.3
Unctd Free Sheet - Shipments	7847	8702	785	748	726	737	8840	4.1
- New Orders	7820	8010	741	757	735	693	8321	-2.5
- Unfilled Orders	321	676	638	857	676	804	804	76.0
Thin Paper - Shipments	323	328	28	25	24	28	336	3.7
Cotton Fiber Paper - Shipments	118	124	11	11	10	12	140	18.2
Bleached Bristols - Production	865	948	84	78	81	82	984	17.3
Tissue Paper - Production	4438	4792	414	408	383	410	4920	5.0
Total Packaging & Other Paper *	5300	5606	508	486	449	481	5766	2.6
Unbl. Kraft Paper - Shipments	3688	3792	338	328	301	317	3805	-3.9
Other Paper - Production *	1612	1814	169	156	148	163	1961	18.0
TOTAL PAPER-Production-UnadJ.	30422	32919	2935	2864	2708	2831	33870	5.8
-Production-S.A.			2838	2884	2888	2854	34244	5.8
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22589	24718	2218	2135	1885	2103	25234	5.5
Unbl. Kraft Linerboard (1)	13494	15007	1345	1314	1132	1262	15138	4.8
Production for Export	1931	2163	157	156	168	154	1851	-15.3
Other Unbl. Kraft Paperboard	1040	1061	94	72	72	90	1086	11.7
Semichemical Paperboard	4389	4731	423	420	384	431	5175	12.8
Production for Export	185	188	13	8	13	12	147	-25.5
Solid Bleached Paperboard	3665	3818	357	329	307	320	3834	-1.8
Production for Export	525	516	48	44	32	40	482	-19.8
Recycled Paperboard	6476	7234	678	643	588	670	8035	15.6
Production for Export	13	21	1	1	1	1	13	-47.8
TOTAL PAPERBOARD-Prod.-UnadJ.	28065	31851	2887	2778	2483	2772	33288	7.8
- Containerboard Prod.(Dom. Use)	17508	18281	1773	1730	1482	1686	20354	8.6
- Boxboard Prod.(Dom. Use) (2)	5150	5498	502	477	435	474	5887	4.0
- All Other P'bd Prod.(D.U.) (2)	3753	4274	403	381	333	395	4735	24.2
- Total Paperbd Prod. for Export	2654	2888	218	210	214	208	2494	-17.2
TOTAL PAPERBOARD PROD. - S.A.			2788	2784	2871	2815	33776	7.8
TOTAL PAPER AND PAPERBOARD								
Production - actual	58488	64870	5832	5842	5173	5603	67238	6.8
Production - S.A.			5624	5668	5759	5668	68019	6.8

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

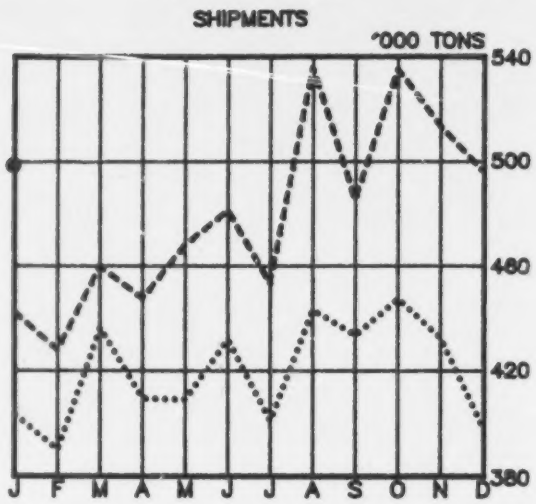
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



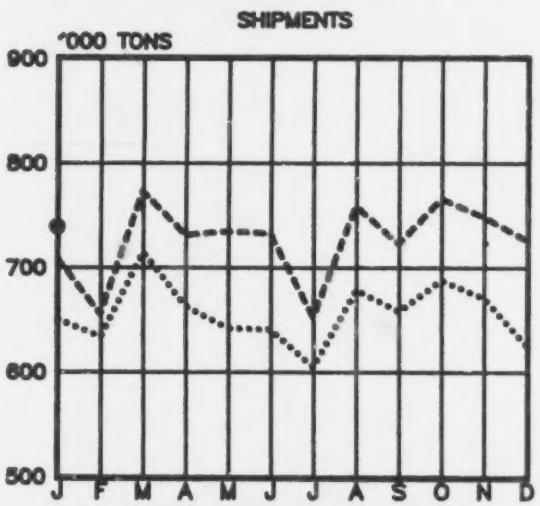
COATED PAPER

SHIPMENTS



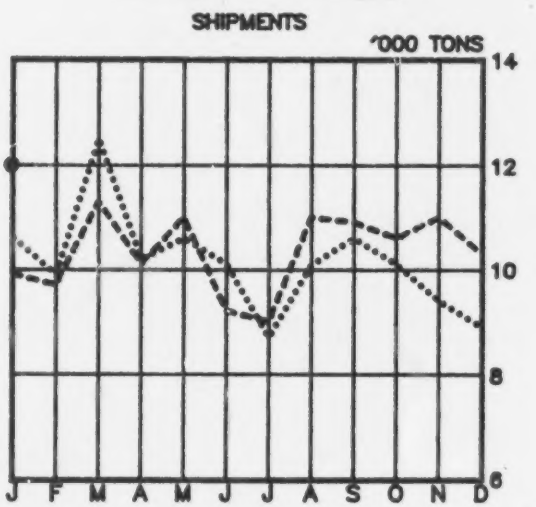
UNCOATED FREE SHEET PAPERS

SHIPMENTS



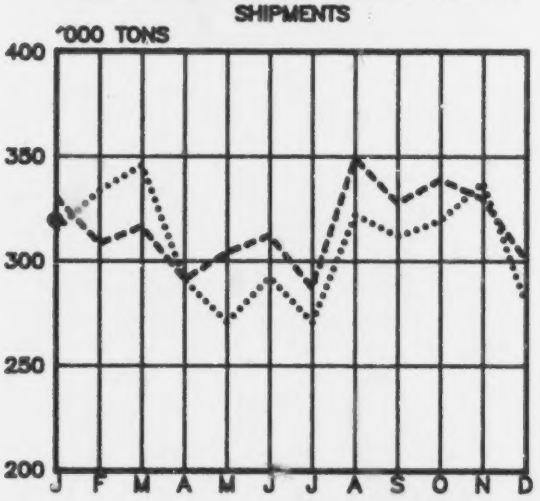
COTTON FIBER PAPER

SHIPMENTS



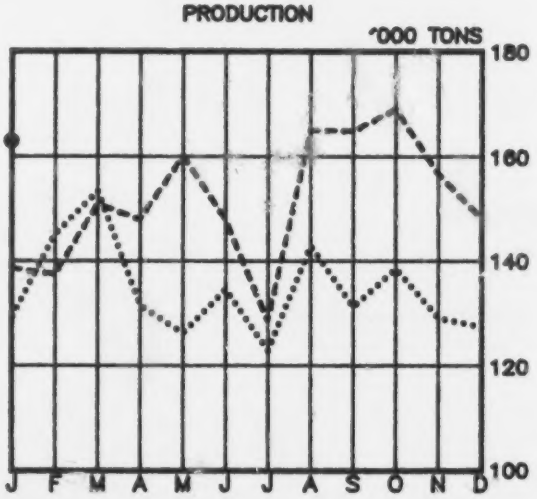
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - - 1984 ●

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 81	YEAR 82	SEPT 83	OCT. 83	NOV. 83	DEC. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49334	4422	4685	4597	4124	52535	6.5
- Imports	4087	3656	332	431	362	345	4093	12.0
- Exports	3678	3395	329	315	252	384	3644	7.3
- New Supply	52450	49595	4425	4801	4708	4085	52985	6.8
Dissolving Pulp - Production	1353	1092	91	113	117	106	1261	15.4
- Imports	248	186	11	16	7	21	192	3.1
- Exports	784	631	30	77	81	72	647	2.4
- New Supply	818	647	72	52	63	54	806	24.6
Paper Grades - Production	41445	39478	3586	3777	3704	3297	42356	7.3
Chemical Pulp - Imports	3653	3302	306	394	329	305	3706	12.2
- Exports	2870	2736	294	237	189	310	2958	8.1
- New Supply	42230	40044	3598	3934	3843	3292	43105	7.6
Groundwood and - Production	5320	5064	427	449	443	419	5067	0.1
Thermo-Mech. - Imports	183	167	15	21	26	20	195	16.5
- Exports	24	27	4	1	2	2	40	48.1
- New Supply	5478	5204	438	469	467	436	5222	0.3
Semi-Chemical - Production	3824	3699	318	347	334	303	3851	4.1
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3824	3699	318	347	334	303	3851	4.1
MARKET WOOD PULP								
Total Market - Production	6210	5732	510	580	577	475	6418	11.9
Wood Pulp - Imports	2824	2443	218	317	238	293	2845	20.6
- Exports	3352	3143	281	278	249	315	3422	8.8
- New Supply	5782	5031	448	628	567	453	5839	18.0
Dissolving Pulp - Production	1352	1089	91	111	116	106	1260	15.7
- Imports	241	194	13	21	13	23	210	8.0
- Exports	787	675	47	53	58	79	688	3.4
- New Supply	806	608	58	79	72	50	772	26.8
Paper Grades - Production	4957	4643	418	478	459	368	5144	10.8
Chemical Pulp - Imports	2634	2202	201	288	222	268	2888	22.5
- Exports	2555	2468	234	227	181	237	2724	10.4
- New Supply	4936	4377	385	540	490	388	5117	16.8
Groundwood Pulp - Production	2	1	1	1	1	1	12	1400.0
and All Other - Imports	49	48	4	7	4	4	38	-18.1
- Exports	10	0	0	0	0	0	0	-75.0
- New Supply	40	47	5	8	5	5	50	6.7

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

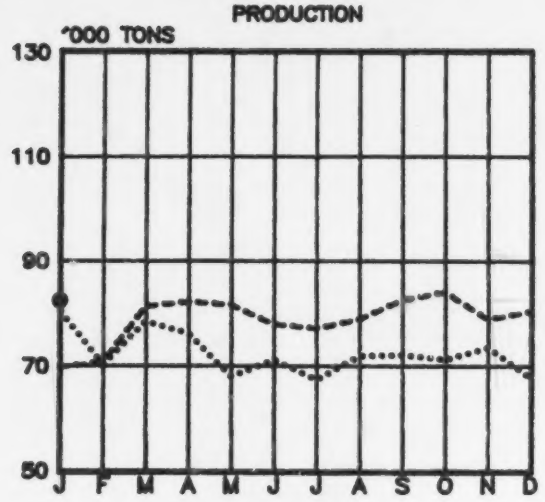
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	84573	81718	5582	5864	5758	5272	65833	8.6
Total Wood Pulp	50898	48163	4360	4827	4481	4115	51284	6.5
Waste Paper	13875	13565	1202	1337	1275	1157	14538	7.2
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	193	186	192	172	172	-2.9
Market Pulp at Pulp Mills	393	437	420	449	484	380	380	-13.1
Mkt Pulp at Ppr. & Bd. Mills *	454	429	466	476	498	522	522	21.7
Waste Paper at Paper &Bd. Mills	1211	1022	878	864	864	920	920	-10.0
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	31	30	34	26	26	-28.7

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group; API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

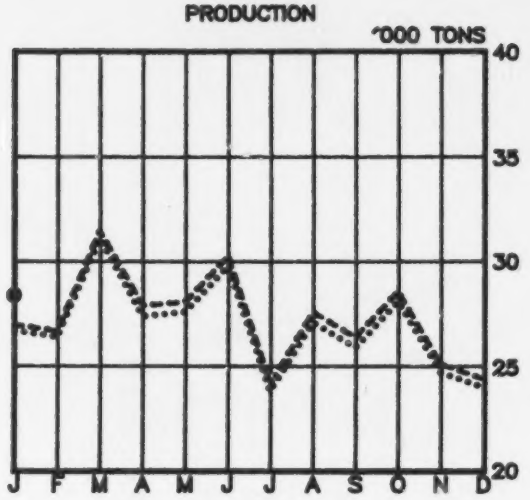
BLEACHED BRISTOLS

PRODUCTION



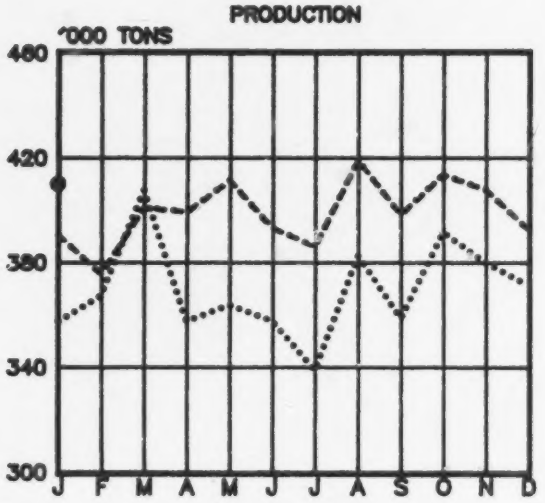
THIN PAPER

PRODUCTION



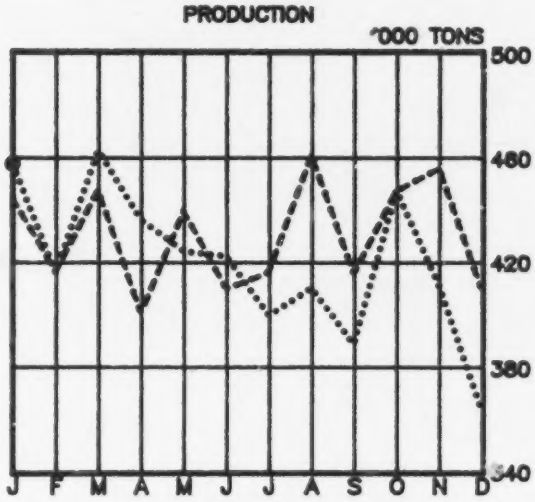
TISSUE PAPER

PRODUCTION



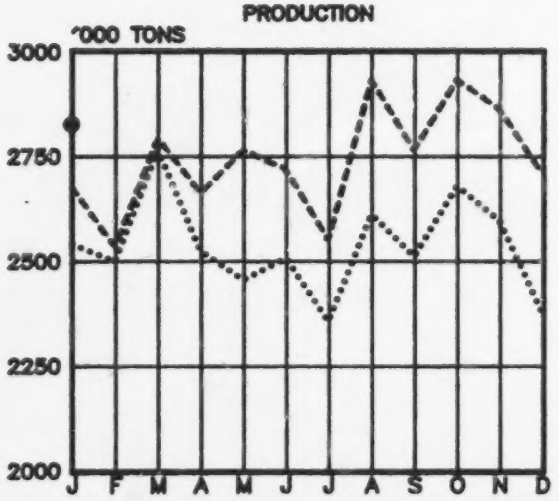
NEWSPRINT

PRODUCTION



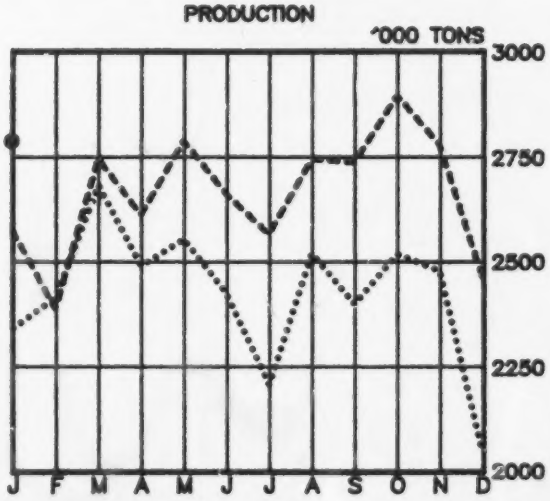
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ····· 1983 ----- 1984 ●

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 81	YEAR 82	SEPT 83	OCT. 83	NOV. 83	DEC. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78547	78318	7286	7691	7172	6691	84475	7.6
	- Total Consumpt.	78747	78039	7203	7534	7267	6741	85442	8.1
	- Residues *	30590	31152	2846	3010	2802	2506	32755	5.1
	- Inventories	6045	5426	5051	5430	5266	5229	5229	-3.6
So. Atlantic	- Total Receipts	24681	23789	2240	2298	2150	2087	25736	8.3
	- Total Consumpt	24815	23725	2250	2287	2153	2020	25847	8.9
	- Residues *	8770	8273	722	724	671	613	7804	-4.5
	- Inventories	1051	1165	1139	1180	1103	1163	1163	-0.2
Northeast	- Total Receipts	7803	7283	588	649	646	618	7031	-3.2
	- Total Consumpt	7712	7221	557	642	683	600	7274	0.7
	- Residues *	1362	1452	103	115	117	107	1198	-17.4
	- Inventories	635	652	504	537	543	577	577	-11.5
South Central	- Total Receipts	27744	26510	2621	2753	2538	2215	29409	10.9
	- Total Consumpt	27687	27153	2486	2561	2479	2282	28152	7.4
	- Residues *	8823	8616	813	852	778	645	8216	7.0
	- Inventories	1825	1346	1420	1628	1627	1538	1538	14.1
North Central	- Total Receipts	5850	5801	524	565	493	527	6265	11.8
	- Total Consumpt	5708	5706	514	553	551	494	6343	11.2
	- Residues *	1439	1517	151	181	146	145	1822	20.1
	- Inventories	1106	825	851	870	823	851	851	-8.0
West	- Total Receipts	13668	15336	1313	1425	1345	1263	16014	4.3
	- Total Consumpt	13825	15234	1386	1491	1421	1345	16826	10.5
	- Residues *	10086	11284	1057	1138	1089	986	12612	11.7
	- Inventories	1428	1338	1137	1215	1170	1102	1102	-17.6

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	82 $000	NOV. 83 Tons	83 $000	DEC. 83 Tons	83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	87043	4711	23330	1230	38168	2008	155124	78.2
Pulpwood Chips	1878793	51374	190828	4803	123568	2888	1987168	18.4
Wood Pulp, Total	3364194	1386688	354823	128972	318386	117862	3753201	11.6
Waste Fibrous Materials, Total	129749	23289	15108	2708	11854	2254	157732	21.6
Paper, Board & Products,Total	7707948	3272224	750061	318093	688468	291646	8274914	7.4
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	7665489	3201221	745024	306254	683530	282802	8221322	7.3
Paper Paperboard & Products	7327112	3182585	718325	306943	688022	286410	7848516	7.1
Paper & Paperboard, Only	7284883	3121582	714288	299104	683088	277567	7782824	7.0
Paper, Total	7171243	3093475	699116	295237	648244	273601	7633585	6.4
Newsprint	6484605	2730256	622144	254820	583489	238378	6845135	5.6
Printing,Writing & Rel.Par.	612760	310154	68997	35256	57831	30743	695907	13.6
Pack. & Ind. Conv. Paper	66300	46060	6873	4185	5836	3573	79208	19.5
Special Industrial Paper	1888	3123	177	282	175	300	2732	43.8
Tissue Paper	5680	3982	925	804	913	807	10802	86.7
Paperboard, Total	113420	28117	15172	3867	14841	3968	158338	40.5
Convtd Paper&Paperbd Products	42448	71003	5037	9839	4938	9844	53592	26.2
Wet Machine Board	1302	737	191	130	242	150	3036	133.2
Construction Paper & Board	379533	78892	30545	7020	20203	5086	425362	12.1

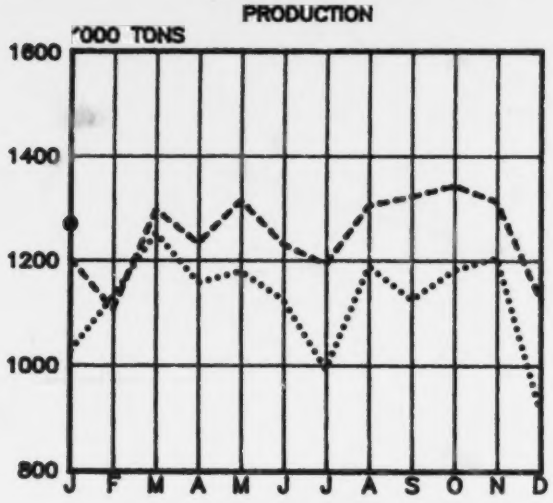
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic Feet)	107700	7283	5528	356	5396	287	68985	-36.0
Pulpwood Chips	27650	1500	2605	122	1167	53	38246	38.3
Wood Pulp, Total	116067	54891	10537	4881	7871	3665	133633	15.1
Cotton Pulp & Other Pulp	6790	4152	743	413	876	423	9567	40.8
Waste Paper	271393	32553	31200	3556	29513	3344	346809	27.8
Paper, Board & Products,Total	583206	442437	57302	42835	48519	37683	659229	13.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383566	275107	37073	28006	30434	24970	448117	16.8
Paper, Paperboard & Products	561355	433688	54810	41797	47276	36775	628109	11.8
Paper & Paperboard, Only	361714	266359	34580	27988	28191	24062	416998	15.3
Paper, Total	188370	185357	19947	20683	18089	19090	230771	22.5
Newsprint	3037	2871	251	187	500	494	4312	42.0
Printing,Writing & Rel.Par.	113443	95899	10946	9422	9626	8625	125110	10.3
Pack. & Ind. Conv. Paper	20289	13615	4319	2770	2987	1796	34403	68.6
Special Industrial Paper	47736	70111	4285	8113	4856	8005	63380	32.8
Tissue	3884	3082	146	180	121	170	3556	-8.0
Paperboard, Total	173345	81001	14633	7285	10101	4972	186226	7.4
Convtd Paper&Paperbd Products	199640	167330	20230	13830	19088	12713	211112	5.7
Wet Machine Board	4385	2537	253	178	599	304	5289	21.2
Construction Par & Bd. E	17487	6212	2239	860	1645	603	25831	47.7

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

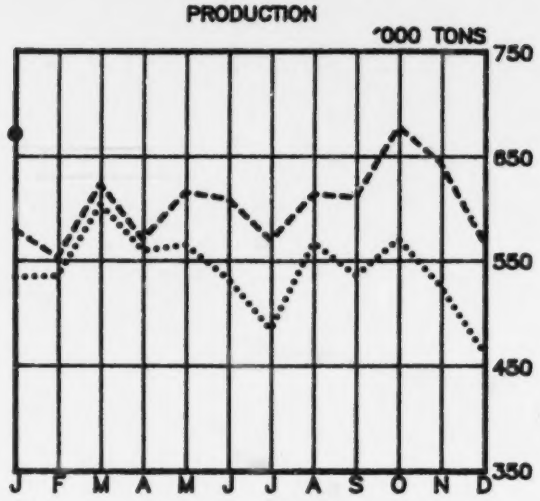
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



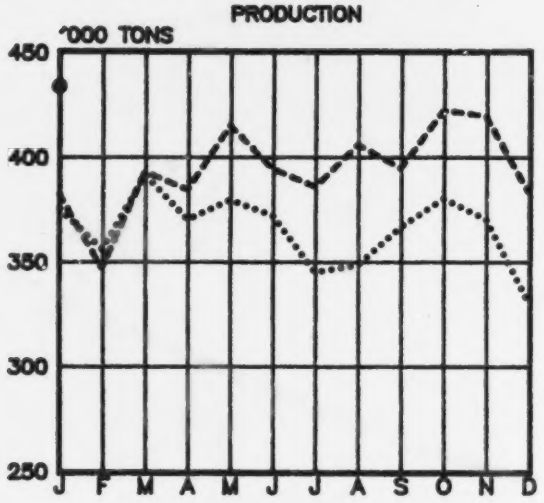
RECYCLED PAPERBOARD

PRODUCTION



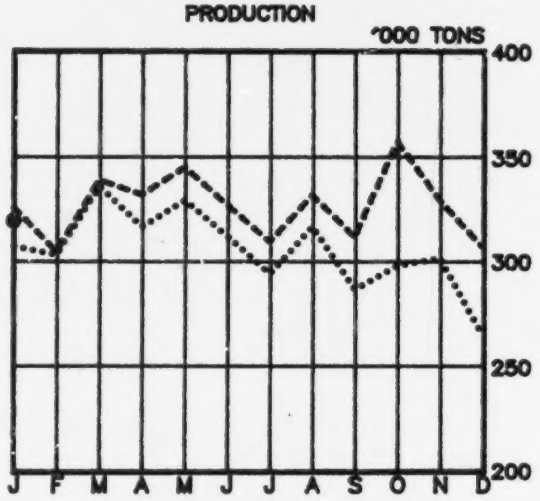
SEMICHEMICAL PAPERBOARD

PRODUCTION



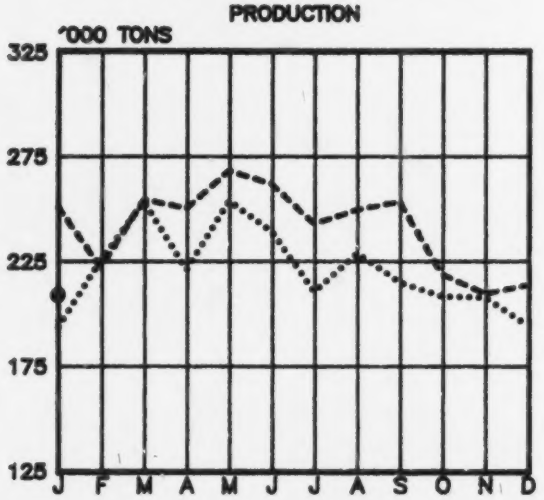
SOLID BLEACHED PAPERBOARD

PRODUCTION



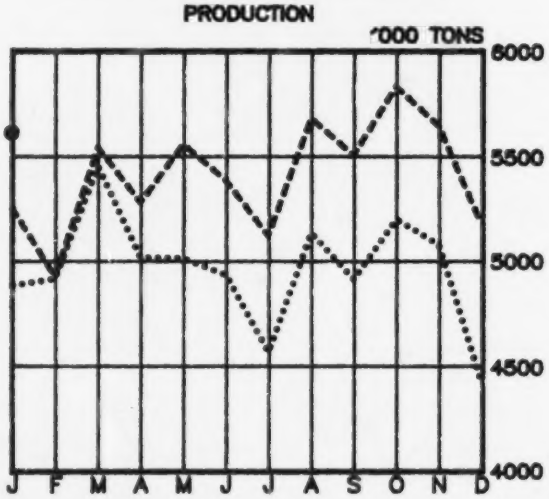
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1982 ····· 1983 ----- 1984 ●

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR Tons	82 $000	NOV. Tons	83 $000	DEC. Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood Roundwood (cords)	87043	4711	23330	1230	38169	2009	155124	78.2
Pulpwood Chips	1682414	51538	190828	4603	123606	2899	1991453	18.4
Total All Imports	11824303	5209303	1232674	523479	1132767	489442	13248280	12.0
Wood Pulp Total	3655786	1493241	361989	131086	344834	126308	4093436	12.0
Waste Paper	74332	9450	9418	991	6802	784	100410	35.1
Other Fibrous Materials	70176	24212	6709	2360	5884	1993	68003	-3.1
Paper Board & Products Total	8024009	3682401	854557	389042	775146	360358	8986431	12.0
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	7917418	3344205	838815	351972	760110	320669	8834360	11.6
Paper Prbd & Prds ex Cnst&WMB	7602651	3594201	820158	380985	751166	354275	8509180	11.9
Paper & Paperboard Only	7496060	3256005	805415	343915	736130	314586	8357309	11.5
Paper Total	7381252	3226307	789810	339690	720739	310254	8189491	10.9
Newsprint	6530676	2748652	633024	258660	592616	241444	6919348	6.0
Printing & Writing	764095	408351	144072	72663	119012	62226	1151011	50.6
Uncoated Groundwood	514882	248196	87917	38263	61685	28240	732237	42.2
Uncoated Book	142626	80105	18337	11045	17626	11007	154147	8.1
Coated Print.& Impress. Pap	69010	46763	23310	14456	20699	12576	162441	135.4
Bristols	391	416	4	5	116	152	471	20.5
Writing and Similar Paper	25893	19225	10788	5963	15442	8010	81458	214.6
Thin (except Cigarette)	11293	13846	3717	2930	3443	2241	20258	79.4
Total Pkg & Other Paper	79653	63863	11698	7683	8046	5814	107515	35.0
Unbleached Kraft Paper	23078	10749	4390	1979	2809	1151	42013	82.0
Other Pkg. & Indust. Paper	56575	53114	7309	5704	5237	4664	65503	15.8
Tissue	6828	5241	1015	685	1085	771	11617	70.1
Paperboard, Total	114808	29698	15605	4224	15390	4332	107818	46.2
Test or Containerboard	35983	8459	3378	1078	4713	1422	48119	33.7
Semi-Chemical Corrugating	47295	9679	8307	1799	6358	1436	69564	47.1
Other Paperboard	31531	11560	3920	1347	4322	1474	50136	59.0
Convtd Paper&Paperbd Products	106591	338196	14742	37070	15036	39689	151872	42.5
Paper Products, Total	82059	307245	12723	32287	12771	35320	124816	35.6
Paperboard Products, Total	14532	30951	2019	4784	2265	4369	27055	86.2
Wet machine Board	1842	1239	324	215	308	172	3584	84.5
Construction Paper & Board	419515	86981	34076	7842	23672	5911	473687	12.9
Notes								
Other: No Weight Avail. ($000)		135346		13529		12217	148251	20.8
Total Imports Incl. Other($000)		5344649		537008		501658	5674392	8.2

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	5528	356	5396	287	69487	-37.6
Pulpwood Chips	2860133	231140	223421	15071	175841	11252	2554176	-10.7
Total All Exports	9872298	4315138	938921	361681	879248	374453	10888849	10.3
Wood Pulp,Total	3394648	1414558	251744	95347	383980	147529	3643983	7.3
Cotton Pulp and Other Pulp	104560	72327	8498	6191	9697	6167	102863	-1.8
Waste and Old Paper	2127050	238934	274195	33780	225850	27556	2573716	21.0
Paper, Board & Products,Total	4246041	2589319	404494	226363	358841	183202	4568407	7.8
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3670413	1754352	351482	160422	310122	135833	3884277	8.6
Paper, Prbd & Prod ex Cnst&WMB	4187119	2558843	386586	223308	332837	188956	4501039	7.5
Paper & Paperboard, Only	3811491	1723977	345594	157368	303417	132387	3916810	8.5
Paper, Total	840445	878069	60317	50719	57598	48207	773414	-8.0
Newsprint	307657	142984	22465	10031	23308	9855	294870	-4.2
Printing & Writing	246817	238135	18749	18648	14796	16058	201788	-18.2
Uncoated Groundwood	55916	48430	3965	3316	2166	2775	37289	-33.3
Clay Coated Paper	81373	85485	7661	5804	6657	5268	78182	-2.7
Uncoated Free Sheet	70599	75451	4873	7059	4387	5948	59125	-16.3
Other Printing & Writing	38729	48769	2249	2471	1585	2067	26202	-32.3
Total Pkg. & Other Paper	282861	271556	17762	20345	18656	21134	260865	-0.8
Unbleached Kraft	89068	38003	8705	3498	7988	3275	116170	30.4
Other Pkg. & Indust. Paper	173793	233553	9057	16847	10668	17859	144695	-16.7
Tissue	23310	25415	1342	1694	837	1160	15881	-31.8
Paperboard, Total	2771046	1044908	285277	108648	245819	84180	3143496	13.4
Solid Wood Pulp	2612568	970814	275627	100666	236391	79852	2993868	14.6
Total Linerboard	1886193	542304	208695	57460	168312	45878	2254538	19.5
Bleached Kraft Linerboard	67595	26626	22866	10040	15880	8713	160253	137.1
Unbleached Kraft Linerbd	1818599	515677	185829	47420	152431	38165	2094285	15.2
Other Unbleached Kraft	139219	60780	5287	2888	18632	8477	107141	-23.0
Other Bleached Kraft	525733	348615	58645	36980	44512	25882	558431	8.2
Semi-Chemical Corrugating	61422	18116	5000	1328	6936	1704	73758	20.1
Recycled Paperboard	158478	74084	9850	5983	9429	4228	149628	-5.6
Convtd Paper&Paperbd Products	575628	834986	52892	85840	49519	57568	584129	1.5
Paper Products, Total	315805	591183	27300	44891	25577	38212	311722	-1.3
Paperboard Products, Total	259823	243804	25592	21050	23943	19358	272408	4.8
Wet Machine Board	11089	5939	776	362	1253	502	11622	4.8
Construction Paper & Board E	47833	24437	5122	2693	5452	2745	55746	16.5
Notes								
Other: No Weight Avail. ($000)		8950		714		636	7965	-11.4
Total Exports Incl. Other($000)		4324128		382395		375069	4229475	-2.2

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	82	83	OCT.	NOV.	DEC.	JAN.	Annual Rate Y-T-D 83	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	273.2	271.1	273.0	276.3	276.8	280.0	280.0	4.2
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	275.9	273.0	274.0	277.4	277.9	281.2	281.2	3.6
Total Wood Pulp	379.1	346.8	348.6	352.6	351.3	364.4	364.4	5.1
Total Paper	286.3	282.2	286.6	287.9	288.9	294.3	294.3	5.4
Total Paper, exc. Newsprint	278.3	276.7	282.6	284.3	286.0	295.1	295.1	7.7
Newsprint	315.8	302.9	309.6	309.6	309.6	309.6	309.6	3.5
Total Paperboard	254.9	250.6	255.5	257.9	259.5	262.2	262.2	7.8
Total Paper and Paperboard #	276.5	272.2	276.8	278.5	279.7	284.2	284.2	8.0
Converted Products	264.4	265.3	266.5	267.8	268.0	269.4	269.4	1.7
Waste Paper	121.1	158.2	216.4	210.2	211.5	211.5	Not Available	
All Commodities	298.3	303.1	306.3	305.6	306.0	308.1	308.1	2.7
Industrial Commodities	312.3	315.7	318.7	318.3	318.4	319.2	319.2	1.7

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

to 8.4 million tons, 11.5% over the year-ago total; with the construction grades and all products included, the total volume was 9.0 million tons, 12% over the total imported in 1982.

Within the paper grades, newsprint imports in 1983, at 6.9 million tons, showed a 6% increase. This compares to the 2% increase shown in the domestic production of newsprint. The imports of uncoated groundwood paper, reflecting the intense demand for such products as periodicals and directories, amounted to 732,000 tons, 40% over the year-earlier total. Nearly two-thirds of imports came from Canada, another 28% from Finland. Norway, Denmark and Sweden sent about 50,000 tons to the U.S. Imports accounted for 33% of the total new supply of uncoated groundwood papers in 1983, and were equivalent to nearly half the domestic production total.

Imports of writing papers showed a significant gain, more than doubling from the year-earlier level. The total however, was only 81,000 tons. When this 81,000 tons is combined with imports of 154,000 tons of uncoated book paper, the total - 235,000 tons - was equivalent to 2.6% of the U.S. production of uncoated free sheet papers. Coated paper imports also showed a major gain, increasing 135% from its 1982 level, equivalent to 2.8% of the total production of coated papers. Imports of the other grades of paper and paperboard also showed large percentage gains from the year-earlier levels, but in all cases the totals were equivalent to only small percentages of domestic production.

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Exports of paper plus paperboard in 1983 also rose: at 3.9 million tons, the total was 8.5% over the 1982 level. When construction grades and all products are taken into account, the total amounted to 4.6 million tons, 7.6% over its 1983 level.

In contrast to imports, exports of nearly all the paper grades showed significant declines from the year-ago total. Total paper exports, at 773,000 tons, were down 8%. This was offset however, by major gains in paperboard exports: the Bureau of Census reported an export total at 3.1 million tons, 13.4% over the comparable 1982 level.

In dollar terms, imports of paper, paperboard and products amounted to $5.67 billion; exports $4.23 billion.

New Supply

On the basis of the production, imports and exports data noted above, total new supply of paper, paperboard and products (excluding the construction and wet machine board grades, for which no current production data are available) amounted to 68.9 million tons, 9.5% above the 1982 total and 4.9% above the 1981 level. The previous high was reached in 1979 at 66.4 million tons; the 1983 total was 3.7% above this level.

Real gross national production in 1983, by way of contrast, rose only 3.3% although it too established a new high. Over the course of the full business cycle, new supply tends to fall more sharply on the downswing and increase faster on the upswing, as users adjust their inventories to changes in the final consumption of paper. The upsurge in new supply in 1983 brought the ratio of new supply to real GNP up nearly 6% from the 1982 ratio and the highest level achieved since 1976. At 44,870 tons per billion dollars, it was 0.1% above the 1976-1979 average level.

The developing strength in the trend of new supply relative to real GNP during 1983 is shown more clearly by an analysis of the quarterly data. In the first half of 1983, for example, the annualized ratio between new supply and real GNP was 44,000 tons per billion dollars. The comparable fourth quarter figure was 46,600 tons per billion dollars of real GNP. This was the highest achieved since 1974, when the average for the year was 48,300 tons per billion dollars of real GNP.

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Sales and Earnings

Both sales and net profits after taxes of paper and allied products companies rose steadily during 1983 from the recession levels of 1982. On the basis of reports from 32 companies, as published in the press, fourth quarter sales of these companies were 19% above their year-ago total. This brought the 1983 gain for these companies to 12.7% above that of 1982. These companies accounted for 66% of the total value of sales of all paper and allied products companies.

Earnings also rose steadily during 1983, bringing the 1983 total 77% above the 1982 recession level. For 1983 as a whole, these companies showed a 3.7% margin on sales, compared to 2.4% in 1982.

Similar data for four forest products companies with major holdings in the paper industry showed 1983 sales up 19%, profits after taxes up 67% and the margin on sales rising from 1.9% in 1982 to 2.7% in 1983.

February 29, 1984

	Full Year		INDUSTRY DATA 1983 R November	1983 R December	1984 P January	1984 Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
PAPER AND PAPERBOARD -- Tons (000)	1982	1983					
Total Production (API).....| excluding |...	59488	64870	5642	5173	5603	67239	6.8
Total Seasonally Adjusted....|construction|...			5668	5759	5668	68019	6.8
Imports (including Products).| and wet |..E	7603	8509	820	751	N.A.	N.A.	N.A.
Exports (including Products).| machine |..E	4187	4501	399	353	N.A.	N.A.	N.A.
Apparent Consumption.....| grades |...	62904a	68878 b	6089	6157	5668	70416c	8.9
Paper Production % Tonnage Capacity.....	87.8a	93.5Ra	96.1	87.9	92.1	94.4ah	-
Paperboard Production % Tonnage Capacity.....	82.1a	89.7 a	93.1	79.8	90.3	94.3a	-
			November	December	January		
IMPORTS.....|Including Construction and |.....	8024	8986	855	775	N.A.	N.A.	N.A.
EXPORTS.....| WMB Grades (excl. HPB) |.....	4246	4568	404	360	N.A.	N.A.	N.A.
MARKET WOOD PULP PRODUCTION - Tons (000).....	5732	6416	577	475	N.A.	N.A.	N.A.
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	49334	52535	4597	4124	N.A.	N.A.	N.A.
WOOD PULP IMPORTS - TONS (000).....	3656	4093	362	345	N.A.	N.A.	N.A.
WOOD PULP EXPORTS - TONS (000).....	3395	3644	252	384	N.A.	N.A.	N.A.
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			November	December	January		
Wood Pulp.....|consumption For|.....	48183	51294	4481	4115	N.A.	N.A.	N.A.
Waste Paper.....|construction & |.....	13565	14539	1275	1157	N.A.	N.A.	N.A.
TOTAL.....| WMB grades |.....	61748	65833	5756	5272	N.A.	N.A.	N.A.
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79039	85442	7267	6741	N.A.	N.A.	N.A.
EMPLOYMENT (000)			November	December	January		
Paper and Allied Products.....Total.....	662.0	658.7	667.3	669.5	667.1	667.1	2.8
Pulp, Paper and Board Mills.....Total.....E	257.8	253.7	255.6	256.5	255.2	255.2	0.9
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	9.32	9.93	10.19	10.24	10.23	10.23	6.0
Pulp, Paper Mills.....E	10.88	11.71	12.14	12.13	12.12	12.12	7.4
Paperboard Mills.....E	11.13	12.12	12.51	12.69	12.70	12.70	9.0
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1983 Q3	1983 Q4	1984 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	5.97	6.20	6.18	6.30	6.90	6.90	14.6
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			November	December	January		
|IN PULP, PAPER |...Production Workers.....	109.9	121.5	123.4	125.8	123.2	123.2	2.2
|AND BOARD MILLS|...All Employees.....	108.3	120.0	122.6	125.2	122.7	122.7	3.8
PAPER AND ALLIED PRODUCTS (Million $)			November	December	January		
Industry Shipments (Dept. of Commerce)*.....	78992	85774	7638	7813	N.A.	N.A.	N.A.
Pulp, Paper and Paperboard*.....	33523	36293	3186	3287	N.A.	N.A.	N.A.
Inventories (End of Period) - Total Industry*.	8607	8824	8813	8824	N.A.	N.A.	N.A.
Pulp, Paper and Paperboard*.....	3365	3255	3300	3255	N.A.	N.A.	N.A.
			1983 Q3	1983 Q4	1984 Q1		
Sales (Corporations Only, FTC).....	60293	65095K	16797	N.A.	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).....	1460	2216K	678	N.A.	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).....	2379	2653K	688	N.A.	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC).....	26705	27381L	27381	N.A.	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			November	December	January		
Pulp, Paper & Products, ex. Building Grades...	273.2	271.1	276.3	276.8	280.0	280.0	4.2
Wood Pulp.....	378.1	346.8	352.6	351.3	364.4	364.4	5.1
Waste Paper.....	121.1	138.2	210.2	211.5	211.5	Not Available	
Paper.....	286.3	282.2	287.9	288.9	294.3	294.3	5.4
Paperboard.....	254.9	250.6	257.9	259.5	262.2	262.2	7.8
PAPER DEMAND (INDEXED: 1967=100)			November	December	January		
Total Paper Production *.....	145.4	157.3	165.2	165.5	163.5	163.5	5.8
Paper New Supply *.....	135.1	147.8	158.3	155.9	156.4	156.4	9.1
Total End - Use Index *.....	149.5	158.0	165.8	167.0	168.4	168.4	13.2
Production of Nondurable Goods *...(19%)..	156.1	168.2	175.3	175.5	176.6	176.6	12.2
Disposable Income (Constant $) *...(23%)..	157.8	163.4	167.6	168.4	169.2	169.2	5.6
Total Printing and Publishing *...(58%)..	144.0	152.5	162.0	163.7	165.4	165.4	17.1
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.....	127.6	140.2	146.4	151.0	148.0	148.0	7.8
Production For Domestic Use	122.7	134.9	143.5	148.1	145.3	145.3	10.5
Total End - Use Index *.....	139.5	148.9	155.4	156.7	158.3	158.3	13.7
Production of Consumer Goods *...(60.49%)	142.7	151.8	156.5	158.0	159.6	159.6	11.1
Production of Equipment *...(6.82%)	139.8	140.7	149.1	150.7	152.6	152.6	12.9
Production of Materials *...(32.89%)	133.7	145.3	154.7	155.5	157.0	157.0	18.9
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
NEWSPRINT MARKETS			November	December	January		
Consumption by Publishers - Tons (000).....	11141	11661	1086	1043	963	11561	8.7
Newspaper Pub. and Printing Empl. Total(000)..	417.5	421.6	428.7	429.9	N.A.	N.A.	N.A.
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.).....	121617	133047	14737	11790	N.A.	N.A.	N.A.
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	22776	24939	2266	2353	N.A.	N.A.	N.A.
Inventories (End of Period)	1885	2393	2364	2393	N.A.	N.A.	N.A.
FIBRE BOX DATA (Fibre Box Association)			November	December	January		
Fibre Box Shipments (Million square Feet).....	235185	252876	21025	19874	22070	264840	10.4
Container'bd Inventory at Mill & Plant(000Tons)	2584	2442	2415	2442	2404	2404	-3.3
RETAIL TRADE (Million $)							
Total Retail Sales *.....	1074467	1171328	102024	102151	104414	1252968	13.1
Nondurable Goods Stores Sales *.....	753568	793190	67883	67215	69434	833208	8.5
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	138.6	147.6	155.5	156.4	158.1	158.1	15.1
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	299.3	303.1	305.6	306.0	308.1	308.1	2.7
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	289.1	298.4	303.1	303.5	305.2	305.2	4.1
			November	December	January		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	344.8	387.9	376.4	387.9	N.A.	N.A.	N.A.
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1983 Q3	1983 Q4	1984 Q1		
G.N.P. or Expenditure - Current $.....	3073.0	3310.8	3382.2	3437.3	N.A.	N.A.	N.A.
G.N.P. or Expenditure - 1972 $.....	1485.4	1535.1	1553.4	1571.9	N.A.	N.A.	N.A.

lb/capita

Pap&Parbd Othr Totl Popul(mil)

.a - 543 + 15 + 558 232.0

.b - 588 + 18 = 607 234.2

.c - 625 + 18 = 643 234.9

.E - Last month estimated by API

.e - estimated by API

L - END OF THIRD QUARTER 1983

s - Adjusted for holiday shutdowns

h - Adjusted to conform with API Division data

J - Census unpublished data; standard dev. = 6-8%

N.A. - Not Available

P - Preliminary

Q - Quarter

K - ANNUAL RATE, FIRST 3 QUARTERS 1983

R - Revised

* - Seasonally Adjusted

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

FEB. 27, 1984

PRODUCTION (000 TONS)

	Jan. 84	Dec. 83	Jan. 83	Jan - Jan. 84 - 83		% Change 84/83
PAPER GRADES	P	R				
Newsprint	459	410	444	459	444	3.4
Printing & Writing	1481	1458	1373	1481	1373	7.9
Uncoated Groundwood (s)	125	121	117	125	117	7.0
Coated Paper (s)	498	496	442	498	442	12.6
Uncoated Free Sheet Paper (s)	737	726	708	737	708	4.1
Thin Paper (s)	28	24	27	28	27	3.7
Cotton Fiber Paper (s)	12	10	10	12	10	18.2
Bleached Bristols (s)	82	81	70	82	70	17.3
Tissue Paper	410	393	391	410	391	5.0
Total Pkg & Other Paper	481	449	468	481	468	2.6
Unbleached Kraft Packaging & Indl. Converting (s)	317	301	330	317	330	-3.9
Other Paper *	163	148	138	163	138	18.0
TOTAL PAPER	2831	2709	2676	2831	2676	5.8
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1352	1205	1284	1352	1284	5.3
Unbleached Kraft Linerboard	1262	1132	1204	1262	1204	4.8
Other Unbl. Kraft Paperboard	90	72	81	90	81	11.7
Semichemical Paperboard	431	384	382	431	382	12.8
Bleached Paperboard	320	307	325	320	325	-1.8
Recycled Paperboard	670	568	579	670	579	15.6
TOTAL PAPERBOARD	2772	2463	2572	2772	2572	7.8
TOTAL PAPER AND PAPERBOARD	5603	5173	5248	5603	5248	6.8

WOOD PULP (ALL GRADES)	Dec. 83	Nov. 83	Dec. 82	Jan - Dec. 83 - 82		% Change 83/82
Dissolving & Special Alpha	106	117	66	1261	1092	15.4
Bleached Sulfite	110	106	85	1307	1242	5.2
Unbleached Sulfite	23	26	27	310	345	-10.0
Bleached & Semi-Bl. Sulfate	1652	1842	1450	21105	19721	7.0
Unbleached Sulfate	1512	1730	1267	19635	18170	8.1
Semichemical	303	334	264	3851	3700	4.1
Groundwood and Thermomechanical	419	443	386	5067	5064	0.1
TOTAL PULP DIVISION DATA	4124	4597	3545	52535	49334	6.5

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.